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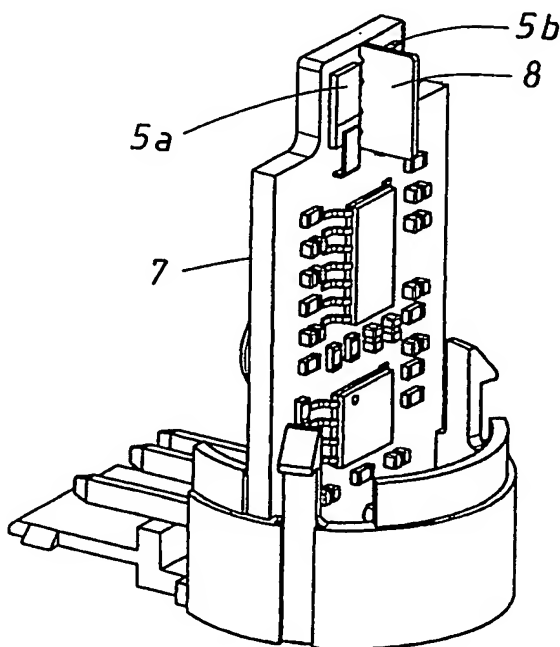
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(54) Title: A PHOTO RADIATION INTENSITY SENSOR AND CALIBRATION METHOD THEREOF



(57) Abstract: The present invention relates to a photo radiation intensity sensor (1) comprising a housing (2) having a lens (4), and a printed circuit board (7) placed in such way in the housing (2) that one of its edges (37) faces the lens (4), where at least a first and a second sensing element (5a, 5b) are placed at a first side (7') of the printed circuit board (7), where the first and second sensing elements (5a, 5b) are separated by a first flange (8), serving as a shading element. Further, at least a third sensing element (5'; 5c) is placed at a second side (7'') of the printed circuit board (7), arranged to detect both the direction and the intensity of the radiation source and for producing corresponding output signals. The present invention also relates to a calibration and measurement method.